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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Withdrawn) An image encoding device which encodes

images for each object, comprising:

encoding means for encoding said images on the basis of

predetermined object display speed information to obtain encoded

image signal; and

multiplexing means for multiplexing said predetermined

object display speed information onto said encoded image signal.

2. (Withdrawn) The image encoding device of claim 1,

wherein said multiplexing means multiplexes said object display

speed information onto said encoded image signal for each object.

3. (Withdrawn) The image encoding device of claim 1,

wherein said multiplexing means multiplexes onto said encoded

image signal, as said object display speed information,

information indicating whether the object display speed is fixed

or variable.

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- 4. (Withdrawn) The image encoding device of claim 1, wherein said multiplexing means multiplexes onto said encoded image signal, as said object display speed information, a value indicating the object display speed.
- 5. (Withdrawn) The image encoding device of claim 4, wherein said object display speed information includes a value indicating an inherent fixed object display speed and a value indicating an arbitrary fixed object display speed.
- 6. (Previously presented) An image decoding device which decodes an encoded bit stream formed by encoding images for each object, comprising:

display speed information decoding means for decoding a header information area of the encoded bit stream to restore display speed information to indicate a number of VOPs displayed per unit time, the display speed information being included as a codeword in the header information area for a layer that is above a VOP layer and comprises a plurality of VOPs, wherein for the layer above the VOP layer, the header information area is separate from the data area; and

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control means for controlling the reconstruction of said

encoded images encoded for each object, based on said object

display speed information restored by decoding.

7. (Original) The image decoding device of claim 6,

wherein said display speed information decoding means decodes

said object display speed information for each object.

8. (Original) The image decoding device of claim 6,

wherein:

said display speed information decoding means decodes said

object display speed information from said encoded bit stream

for each object; and

said control means controls said image reconstruction,

depending upon whether the object display speed indicated by

said decoded object display speed information is a fixed or

variable speed.

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9. (Original) The image decoding device of claim 8,

wherein:

said display speed information decoding means decodes said

object display speed information from said encoded bit stream

for each object; and

said control means controls said image reconstruction by

specifying the display time of each image on the basis of the

value of said object display speed in said decoded object

display speed information when said object display speed

information decoded by said display speed information decoding

means indicates a fixed speed, and on the basis of display time

information multiplexed for each image when said decoded object

display speed information indicates a variable speed.

10. (Original) The image decoding device of claim 6,

wherein:

said display speed information decoding means decodes said

object display speed information from said encoded bit stream

for each object; and

said control means controls said image reconstruction by

specifying the display time of each object on the basis of said

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object display speed information when said object display speed information decoded by said display speed information decoding means indicates a fixed speed and said fixed speed is a value indicated by said object display speed information, on the basis of display time information multiplexed for each image when said decoded object display speed information indicates a fixed speed and said fixed speed is not indicated as a specific value, and on the basis of said display time information multiplexed for each image when said decoded object display speed information indicates a variable speed.

11. (Original) The image decoding device of claim 6, wherein said control means is provided with: decoding time specifying means for specifying object decoding time on the basis of the decoded object display speed information decoded by the display speed information decoding means and object display speed information preset in the decoding device; and decoding means for performing object decoding on the basis of the object decoding time specified by said decoding time specifying means.

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12. (Withdrawn) An image encoding device which encodes an

image for each object, comprising:

absolute time multiplexing means for multiplexing, for each

object, information indicating absolute time for said object

onto said encoded image signal.

13. (Withdrawn) An image decoding device which decodes an

encoded bit stream formed by encoding images for each object,

comprising: absolute time analysis means for analyzing, for each

object, information indicating absolute time of said each

object; and

control means for controlling the reconstruction of said

encoded images on the basis of said absolute time information

analyzed by said absolute time analysis means.

14. (Withdrawn) An image encoding device which encodes an

image for each object, comprising:

time information encoding means for encoding, as

information defining the display time of an image at each time

for each object, first time information defining the time

interval between a reference time and said display time and

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second time information defining said display time with higher accuracy than by said first time information, and an image corresponding to each time;

wherein when the bit length of said first time information is longer than a predetermined set value, said time information encoding means repeats a bit shift of said set value until said bit length becomes shorter than said set value and keeps count of bit shifts and encodes said count and a bit string obtained by the repeated bit shifts.

15. (Withdrawn) An image encoding device which encodes images for each object, comprising:

time information encoding means for encoding, as information defining the display time of an image at each time for each object, first time information defining the time interval between a reference time and said display time and second time information defining said display time with higher accuracy than by said first time information, and an image corresponding to each time;

wherein said time information encoding means includes first time information holding means for holding said first time

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information of an image encoded at immediately preceding time and calculates a bit string of the difference between said first time information of an image to be encoded and said first time information of said image at said immediately preceding time available from said first time information holding means and then encodes said difference bit string as said first time

16. (Withdrawn) An image decoding device which decodes a bit stream formed by encoding images for each object, comprising:

information of said image to be encoded.

time information decoding means for decoding, as information defining the display time of an image at each time for each object, first time information defining the time interval between a reference time and said display time and second time information defining said display time with higher accuracy than by said first time information and an image corresponding to each time; and

decoding and synthesizing means for decoding input encoded image signals for each object and for synthesizing said decoded image signals,

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wherein said time information decoding means decodes, as encoded data of said first time information, a count of bit shifts of said first time information and a bit string obtained by repeated bit shifts and decodes said first time information by adding a code of a length of a predetermined set value to said bit string by said count of bit shifts, and said decoding and synthesizing means synthesizes a decoded image signal on the basis of said first and second time information decoded by said time information decoding means.

17. (Withdrawn) An image decoding device which decodes a bit stream formed by encoding an image for each object, comprising:

time information decoding means for decoding, as information defining the display time of an image at each time in an image sequence, first time information defining the time interval between a reference time and said display time and second time information defining said display time with higher accuracy than by said first time information and an image corresponding to each time; and

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decoding and synthesizing means for decoding input encoded image signals for each object and for synthesizing said decoded image signals;

wherein said time information decoding means includes first time information holding means for holding said first time information of an image encoded at immediately preceding time and decodes said first time information of an image to be decoded after adding a bit string decoded as said first time information of said image to be decoded with said first time information of the immediately previously decoded image available from said first time information holding means, and said decoding and synthesizing means synthesizes said decoded image signals on the basis of said first and second time information decoded by said time information decoding means.

18. (Withdrawn) An image encoding method, comprising the steps of: generating an encoded image signal by encoding images for each object on the basis of predetermined object display speed information; and

outputting said encoded image signal and said object display speed information after multiplexing them.

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19. (Withdrawn) An image decoding method, comprising the

steps of:

decoding an object display speed information from an

encoded bit stream formed by encoding images for each object;

and

decoding said encoded images by controlling the

reconstruction thereof for each object on the basis of said

decoded object display speed information.

20. (Previously presented) An image encoding method for

decoding an encoded bit steam formed by encoding images for each

object, comprising the steps of:

decoding a header information area of the encoded bit

stream to restore display speed information to indicate a number

of VOPs displayed per unit time, the display speed information

being included as a codeword in the header information area for

a layer that is above a VOP layer and comprises a plurality of

VOPs, wherein for the layer above the VOP layer, the header

information area is separate from the data area; and

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reconstructing said encoded images encoded for each object, based on said object display speed information restored by decoding.

- 21. (Previously presented) The image decoding method according to claim 20, wherein said object display speed information is encoded in an object by object basis.
- 22. (Previously presented) The image decoding method according to claim 21, wherein said object display speed information allows for each object to correspond to an independent object display speed.
- 23. (*Previously presented*) The image decoding device of claim 6, wherein said object display speed information is encoded in an object by object basis.
- 24. (Previously presented) The image decoding device of claim 23, wherein said object display speed information allows for each object to correspond to an independent object display speed.

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25. (Previously presented) An image decoding device that decodes an encoded data bit stream formed by encoding images for each object, comprising:

a start code analyzer to determine a start code from said encoded bit stream, wherein said start code indicates a header information area for a layer above a VOP layer, wherein for the layer above the VOP layer, the header information area is separate from the data area;

a header analysis device to receive said header information area to determine object display speed information indicating a number of objects displayed per unit time;

a plurality of decoders to decode a plurality of VOP data sets in said encoded data bit stream; and

a video composition means to synthesize said plurality of VOP data sets according to said object display speed information.

26. (*Previously presented*) The image decoding device according to claim 25, wherein said start code analyzer outputs said bit streams to components within said image decoding device

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according to said start code, said components including said header analysis device.

- 27. (Previously presented) The decoding device according to claim 6, wherein said layer above the VOP is a VOL.
- 28. (Previously presented) The decoding method according to claim 20, wherein said layer above the VOP is a VOL.
- 29. (Currently amended) An image decoding device which decodes an encoded bit stream formed by encoding images for each object, comprising:

display speed information decoding means for decoding a header information area of the encoded bit stream to restore display speed information to indicate a number of VOPs displayed per unit time, the display speed information being included as a codeword in the header information area for a layer that is above a VOP layer and comprises a plurality of VOPs, wherein for the layer above the VOP layer, the header information area is separate from the data area that contains a series of VOP.

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## 30. (Canceled)

31. (Currently amended) An image decoding method for decoding an encoded bit stream formed by encoding images for each object, comprising the steps of:

decoding a header information area of the encoded bit stream to restore display speed information to indicate a number of VOPs displayed per unit time, the display speed information being included as a codeword in the header information area for a layer that is above a VOP layer and comprises a plurality of VOPs, wherein for the layer above the VOP layer, the header information area is separate from the data area that contains a series of VOP.

## 32. (Canceled)

33. (Previously presented) The image recording device according to claim 29, wherein a header of a layer above the VOP layer is a VOL layer.

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34. (Previously presented) The image recording device

according to claim 31, wherein a header of a layer above the VOP

layer is a VOL layer.

35. (Previously presented) An image decoding device which

decodes an encoded bit steam formed by encoding images for each

object comprising:

VOP rate information decoding means for decoding a header

information area of the encoded bit stream to restore a VOP rate

information to indicate a number of VOPs displayed per unit time

when a VOP rate is fixed, the VOP rate information being

included as a codeword in the header information area for a

layer that is above a VOP layer and comprises a plurality of

VOPs, wherein for the layer above the VOP layer, the header

information area is separate from the data area.

36. (Previously presented) An image decoding method for

decoding an encoded bit stream formed by encoding images for

each object, comprising the steps of:

decoding a header information area of the encoded bit

stream to restore a VOP rate information to indicate a number of

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VOPs displayed per unit time when a VOP rate is fixed, the VOP

rate information being included as a codeword in the header

information area for a layer that is above a VOP layer and

comprises a plurality of VOPs, wherein for the layer above the

VOP layer, the header information area is separate from the data

area.

37. (Currently amended) An image decoding device which

decodes an encoded bit steam formed by encoding images for each

object comprising:

VOP rate flag decoding means for decoding a header

information area of the encoded bit stream to restore VOP rate

flag information to indicate whether a VOP rate is fixed or

variable, the VOP rate flag information being included as a

codeword in the header information area for a layer that is

above a VOP layer and comprises a plurality of VOPs, wherein for

the layer above the VOP layer, the header information area is

separate from the data area that contains a series of VOP.

38. (Currently amended) An image decoding method for decoding an encoded bit steam formed by encoding images for each object the method comprising:

decoding a header information area of the encoded bit stream to restore VOP rate flag information to indicate whether a VOP rate is fixed or variable, the VOP rate flag information being included as a codeword in the header information area for a layer that is above a VOP layer and comprises a plurality of VOPs, wherein for the layer above the VOP layer, the header information area is separate from the data area that contains a series of VOP.